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The Missouri Miner, February 04, 1916

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THE MISSOURI MINER.

Missouri School of Mines and Metallurgy, Rolla, Mo.

Vol. 2, No. 20.

Friday, February 4, 1916.

Price 5 Cents

Mining Association.

The spirit which is to rejuvenate the Mining Association was that shown at the meeting last Tuesday night. Never were the meetings so well attended, nor so interesting and instructive. And the credit for holding the attention of those present, and for infusing among them the desire to again attend, must go to Dr. Cox, who spoke on his trip to Nome, Alaska. His talk was exactly what the student body desired, and exactly what was necessary to give affairs the proper impetus. It was not formal, strictly scientific and professional, but heart to heart, and humorous as well. His description of the Eskimos and their traits, and of life in general under the midnight sun, was certainly appreciated. Then from the mining point of view, even a Freshman could easily gain accurate ideas of the wealth of the frozen north.

Mr. Pierce, ex-'10, formerly of Patagonia, Ariz., and now again at school, gave a talk on his experiences, and dwelt particularly upon the demand for workers in the Arizona mines. His words were encouraging to many of the students who expect to gain a practical experience this vacation.

The general meeting adjourned, and at the special meeting of the Association Secretary Ritter tendered his resignation, owing to his departure for Joplin. He has the best wishes of the Association for success.

Mr. Shaw was elected to succeed him.

If you have not subscribed for the MINER, do it now!

Most Disastrous Storm in Years.

The area of low pressure has moved towards the east after a protracted stay in Missouri and Illinois. Starting in Saturday night and continuing until early Sunday morning, a heavy rain storm passed over Rolla. It had already rained almost continuously for a week, and the ground was thoroughly saturated. All exposed places had a thin coating of ice to start with, when the rain storm on Saturday brought things from bad to worse.

Early Sunday morning the slumber of the peaceful village was disturbed by the ominous ripping and tearing sounds accompanied by loud crashes, as limb after limb of the best trees in the town came down overburdened by the ice-coating which had finally become too heavy for them. It was not only the trees, but the telephone, telegraph and power lines as well.

The scene that greeted the eye on Sunday morning was one of desolation broadcast. Every tree in sight had lost its topmost limbs, and the stumps were lifting their jagged points toward the dull sky as if pleading for mercy. The cement walks and roads were littered with branches, some of which had a coating of ice one inch thick completely covering them. Wherever you looked you saw wires down; some brought down by falling limbs, and others by the weight of their own ice-coating.

On the campus, the scene was particularly touching. Trees, which had been given such great care for years, were reduced to ugly skeletons of their former self. Amputated limbs were as plentiful as leaves in the fall. It will take years to remedy the

damage done in a single night.

The Frisco also suffered from the effects of the storm. One official stated that from one-half to three-fourths of the poles were down between St. Louis and Monett, Mo. Trains were hours late with no immediate relief in sight as all of the block signals were out of working order. It will take weeks to repair the damage done to telephone and telegraph lines.

Rolla was plunged in darkness Sunday evening, and very few people ventured out for fear of being struck by falling timber. Merchants report an unprecedented business in coal oil lamps—everybody has to use them now. All available linemen have been put to work by the railroad company in restoring connection with the outside world, and the trouble in town must wait for the time being.

Many students were out with cameras taking "shots" of the effects of the storm. Some of the more enterprising ones will go into the business of selling their views when they have them finished. The Rollamo staff photographer has a large number of them, which will, in all probability ornament the pages of the 1916 Rollamo.

The storm was one of the most disastrous which has visited Rolla and Southern Missouri in a decade. The financial loss will be enormous; especially that of the telephone, telegraph, and railroad companies, to say nothing of the loss to the fruit-growers in this section.

On Feb. 2 the ground hog saw his shadow but he has nothing on us. We saw an eclipse on the next day. That sure eclipses him.

Basketball Notes.

The St. Louis papers have been the only means of receiving information about the late M. S. M.-Washington basketball games of last Friday and Saturday. The personnel of the team is still in St. Louis, being detained on account of floods. True, we lost both games; it's no disgrace to loose games by such close scores against so worthy a foe. The experience gained is worth a great deal, and invariably comes in good stead in future engagements. Washington was forced to go at top speed to gain the decisions in both contests and the way their supporters are elated over the results shows plainly that they held us in due respect.

Peterson was the star in the second contest, giving the natives a few pointers on nifty basket-shooting. His withdrawal in the second half took the scoring initiative from the Miners, and Washington overcame a big lead, and eventually won the game by three points. The Miners played a much cleaner game than Washington according to the number of fouls recorded against both teams.

We are scheduled to play Central College on Feb. 4th, at the new gym. This game should be a nip and tuck affair as the teams are about evenly matched. Dennie expects to line up the same bunch against Central that played against Washington.

We have just been informed that two games were played at Warrenton, Mo., and that the Miners won one by a score of 25 to 23 and lost the other one.

Washington U. Quintet Beats Miners, 14-13.

Republic.

Thanks to Capt. Bill Berry's ability to cage the ball on free throws, the Washington University basketball five slipped over the Rolla Miners at Francis Gymnasium last night.

Bill had nine chances to mark up points over the free-throw

route. He missed but three of the nine. Also he caged the leather once for a field basket, giving him a total of 8 points. Is Bill a regular captain? We'll say he is.

While Berry was making the most of his chances, Krause and Maher of the Miners were musing it up frightfully on free throws. Krause made one out of three, and then gave it up. Maher tried his hand, and dropped the ball four times in a dozen attempts.

Berry, in addition to scoring most of the Pikers' points, hustled around and kept the Miner forwards from doing much in the basket-shooting line.

Miller also played well for Washington. He was forced to leave the floor when he injured a leg in a scramble for the ball. Busick took his place. Busick committed four personal fouls in a hurry, and was duly chased, Hewitt taking up the burden.

The line-up:

Washington 14. Position. Rolla 13.
Miller 2, Busick 9,

Hewitt 0.....L. F.....Heman 2
Goldman 4.....R. F.....Krause 7
Moll 0.....C.....Peterson 6,

Wilson 0

Berry 12.....R. G.....Nevin 0
Grossman 0.....L. G.....Maher 4
Referee, McAndrews.

In the Second Game, After Being Outplayed in Opening Period, Washington Braces and Wins, 18-15.

After being outplayed in the opening half of the contest, the Washington University basketball team took a brace in the final period, and caused the overthrow for the second successive time of the Rolla Miners at Francis Gymnasium. The score was 18 to 15.

The Miners started out with quite a rally, and at the end of the first were leading, 12-7. Peterson, who performed at center for the visitors, was responsible for one-half of these points, caging three baskets before the Pikers were well under way.

Peterson collected his first two

points just a few moments after the game started, and repeated a bit later. Capt. Berry of W. U., managed to score a basket, but Peterson followed with his third field goal a few minutes later.

Despite Peterson's excellent playing in the opening half, he was replaced by Wilson in the second frame. Wilson failed to live up to the pace of his predecessor, while his teammates also stooped and permitted the Pikers to assume the lead.

In the second half the Washington men played an open game and covered up better, permitting the Miners to get only three points in the second half. With the score 16-15 Capt. Berry scored a field goal as the final whistle blew, giving the Pikers a greater advantage,

The line-up:

Washington 18. Position. Rolla 15.
Goldman 4.....L. F.....Heman 2
Miller 0, Busick R. F.....Krause 7
Moll 2.....C.....Peterson 6,

Wilson 0

Berry 12.....R. G.....Nevin 0
Grossman 0.....L. G.....Maher 0
Referee, McAndrews

Chicago Firm Will Erect Iron Furnaces in Ozarks.

Poplar Bluff, Mo., January 18, —Official announcement was made here today that 640 acres of land west of this city had been purchased by the Chicago Iron and Chemical Company, on which the company will build two furnaces, each having a capacity of 100 tons of ore a day.

Two railroads will be built, the construction to start within thirty days, one to the iron mines at Romine, eighteen miles northeast, and one to Current River, where wood will be obtained to be used in making charcoal for the furnaces.

Another company is planning to open a furnace near Iron Mountain, Mo., it is said.

There are large deposits of iron ore in the Ozarks just north of this city.

If you have not subscribed for the MINER, do it now!

Visit the City Bakery

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Chocolate Bricks
Cocoanut Kisses.
Washington Pie.
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We want your account, large or small.

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Bunch Barber Shop.

Sophomore Column.

Last Monday we all enjoyed the well organized program presented by the seniors at the first real mass meeting. We only hope we will be able to do half as well when Sophomore day arrives.

On Tuesday, the first, we held our semi-monthly class meeting, to pick up the loose threads and to look into the future a little. A report was made by the numerical committee, and accepted. Strawn, Reber, Doennecke and Stoner were chosen as a committee to synthesize what they can in the way of a program for our day at Parker Hall.

The question was put before the class for consideration, and will be discussed at our next meeting: "Do we want a banquet?" Think about this, fellows; weigh arguments for and against, and come prepared to express your views. No doubt we can have the banquet, provided we minimize expenses somewhat. St. Pat was discussed somewhat in a general way, and will be a main consideration at the next meeting. The meeting adjourned after a report from the financial secretary.

It was reported that Decker, Larrie and Flanders very much resembled lightning bugs out on Salem Avenue last Sunday night.

Prof. Dean has come to the conclusion that we are all "Famous Mathematicians." (F. M.)

We are sorry to report that three men have quit school this week. W. R. Cox left us the first of the week to take a position in the valuation department of the Wabash Railroad. J. F. Spickard and E. L. Miller have also left. We wish them all every success in their work, and hope they will come back to school next year. Drop a line, fellows.

Papen is mourned in St. Louis. He can not return until the Frisco resumes passenger traffic from the big city.

J. W. Pugh joined the ranks last week. Come around and tell us what you have been doing, Pugh.

St. Pat's Committee.

At a special meeting of the St. Pat's Committee Tuesday night active plans were formulated and ideas interchanged and discussed. A feature of the evening was the eagerness of the members to do immediately, to begin at once, the essential preparations necessary to make this year's festival a huge success. Each particular committee had a report to make, which was definite, and showed active interest in the work.

This, and the fact that the meeting was well attended, should prove to the student body that the members are and will work hard, and should appeal to each and every real, loyal student to lend his aid, and co-operate in every way. For upon this co-operation will hinge the whole success; without it, regardless of the committee's efforts, failure will be the record.

Every student, Freshman to Senior, is asked to help in any way,—for M. S. M. "expects every man to do his duty!"

Don't renig, don't shirk. It is your festival, your St. Pat's. It is with this end that the Miner wishes to encourage the committees, and stimulate interest, and its columns are always open to suggestions and articles to promote this success. Use them.

A Plea For News.

If you have a bit of news,

Send it in;

Or a joke that will amuse,

Send it in;

A story that is true,

An incident that's new,

We want to hear from you,

Send it in.

Never mind about your style,

Send it in.

If it's only worth the while,

Send it in.

Send the MINER home. The folks will be glad to get it.

THE MISSOURI MINER

A weekly paper published by the Students, in the interest of the Alumni, Students and Faculty of the Missouri School of Mines and Metallurgy, Rolla, Mo.

Entered as second class matter April 2, 1915, at the post office at Rolla, Missouri, under the Act of March 3, 1879.

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Alumni Notes.

A. Dyke Wilson, '02, is chief chemist of the \$2,000,000 by-product plant of the Laclede Gas Co. of St. Louis.

P. A. McHugh, of Cleveland, Ohio, arrived in Rolla last Saturday, and as a result of the flood and sleet storm he has remained several days. Mr. McHugh lived during his boyhood days on a farm $4\frac{1}{2}$ miles south of Rolla on the Licking road. In about 1882 and 1883 he attended the School of Mines, and in 1886 he left Rolla, and this is his first visit back to his old home since he left thirty years ago. He has been wonderfully successful as a business man. As an evidence of his success, we excerpt the following from a Cleveland paper:

"Mr. McHugh is the head of the largest manufactory of folding chairs, portable stages, ticket booths, grand-stands, bleacher

seats, big tents and lighting outfits, interior decorations, display booths, columns, railing, etc., for expositions, style shows and general outfitting for armories, convention halls, etc., in the world, and whenever such materials are required you will find the McHugh product in use."

Mr. McHugh was very much interested in the School of Mines and is a loyal booster.

Mike Collins, ex-'14 is back with the Democrata Mfg. Co. of Cananea, Senora Mexico, and is assistant to E. D. Lynton, '12.

"Red" Forrester, '11, is flotation foreman for the Greene-Cananea Co. of Cananea, Sonora, Mexico.

The Omaha Daily News of Jan. 27 tells us of Mr. J. S. Stewart Jr., '10, as follows:

A letter just received from C. A. Burdick, '10, who is arranging for an "M. S. M." banquet in New York on Feb. 14th in connection with the meeting of the American Institute of Engineers, reports that D. W. Buckby, '01, of Wallace, Idaho, and Oscar Lachmund, '86, of Greenwood, B. C. have expressed their intentions to be present.

Dr. Cox announces the receipt of a letter from A. E. Wishon, '09, containing information about the effect of the recent great storm upon the California oil fields and power lines to be used in the class in Oil and Gas.

Will Operate Lead Smelter in Siberia.

Omaha Daily News Jan 27.

John S. Stewart of 210 South Thirty-seventh street, for six years and a half employed at the plant of the American Smelting and Refining Company in Omaha, will sail February 19 for Ekibastous, Russia, in Siberia, to become superintendent of the Irtysh lead smelting and refining plant.

Mr. Stewart will leave next Tuesday for Mansfield, O., to visit his family. He will sail for London from New York Febru-

Schmidtonian Glee Club

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Saturday, Feb. 12th,

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7 BIG FEATURES 7

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Cast of 16. Don't miss it.

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of the Rollamo Board.

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February 4, 1916.

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SATURDAY NIGHT.

February 5, 1916,

VIOLA DANA

in

"The Innocence of Ruth."

"The Rollamo Weekly, No. 5."

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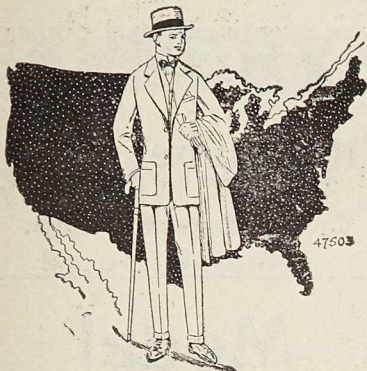
ary 10, and then proceed to Siberia.

Ekibastous is about sixty miles from Omsk, a city of 60,000 population.

Mr. Stewart recently resigned as director of the Castelar social center. He is a graduate of the Rolla School of Mines, and a member of the University club.

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silver mines there.

Silver is probably the most valuable metal Missouri produces. From time to time traces of gold have been found here but the quantity is so small that it would not pay to separate it unless a good strike was made. Owing to the difficulty in obtaining statistical information from the refineries which extract silver from Missouri ores, all being located in the East and beyond the jurisdiction of the Missouri Bureau of Labor Statistics, the 1914 figures are now for the first time available, and the 1915 information will not be ready until next winter.

LOCALS.

A very interesting evening was spent by Riley, McCartney, Horner and J. K. Walsh upon a "fast" limited Frisco Sunday night. The speedy train pulled out of the place where street cars rumble at 8:30, and strolled into Rolla 5:30 the next morning, allowing passengers an excellent opportunity to study the picturesque scenery of a freezing and drowning roadbed. Misery loves company, so that between the natural products of the above students, and the flavored product of a tobacco salesman and a mine machinery buyer, a very enjoyable and instructive time was spent. All set their alarm clocks for 7 o'clock (?).

Prof. C. Y. Clayton and wife were marooned in St. Louis for awhile, but returned Thursday.

Director McRae had the good fortune to get as far as Sills Monday morning on his return from Lawrence, Kansas, but he had to walk the remaining few miles to Rolla.

The only way you can get some men to the front is by keeping kicking them in the rear.

The youth who has to scratch for a living sows but few wild oats.

Send the MINER home. The folks will be glad to get it.

Remember, Boys,

I am still at my old stand.
You're always welcome.
Come in and see me.

Allison,

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"No siree. I have been taking
it every day for the last six
years and haven't got the habit
yet."—Cornell Widow.

"I bet her a hundred kisses."

"Will you get them if you
win?"

"I don't know. My roommate
called on her last night and told
me this morning that he was
holding stakes."—Kas. U.

[Notice.

Laundry intended to be done
Rough Dry must be so indicated.
Try it.

R. M. STROBACH,
Steam Landry.

Subscribe for the Miner.

By A. T. Edmonston.

Jefferson City, Mo., Jan. 29,—The lead, zinc and copper ores mined in Missouri during 1914 yield 61,168 ounces of silver, which, at an average price of 55.3 cents an ounce, was worth \$33,826, announces a Bureau of Labor Statistics bulletin given out by Commissioner Jno. T. Fitzpatrick. The silver was recovered by Eastern smelters. Approximately only one-fourth of the lead and zinc ores of Missouri were treated to recover their silver contents, and, consequently, had all the ore of 1914 been submitted to this process the yield of Missouri silver would have amounted to approximately 250,000 ounces worth, about \$138,250.

Missouri lead contains more silver than does zinc, especially the lead of Southeastern Missouri where it averages about one ounce to the ton of lead when all lead ore is taken as a whole. While Missouri is not classed as a silver producing state yet the 1914 yield was greater than that recovered from the lead ores of Oklahoma, Illinois, Kentucky and Wisconsin combined. For fifteen years Eastern smelters have been extracting silver from Missouri lead ores produced, chiefly by St. Francois, Jefferson, Madison and Washington counties.

The 1913 production of silver ore was 35,620 ounces, which, at 60.4 cents an ounce, was worth \$21,514, while the 1914 production was much greater but the value per ounce was nearly five cents less, quite a difference when silver is selling for only 55.3 cents an ounce. The quantity of silver extracted from Missouri copper is small but since Missouri's production of copper is also small nothing else could be expected.

In 1912 Missouri's production of silver was 35,438 ounces, which had a market value of \$21,794. The 1911 production

was 49,867 ounces and the worth \$26,430.

Legend has it that somewhere in the Ozarks there exists a lost cave of silver, the location of which, two centuries ago, was known to the Indians who then lived in Missouri, and the deposits were extensively worked by them. If this tradition is true someone prospecting in the wild portions of the Ozarks may some day come across the lost silver mines and through them grow immensely rich.

If silver was worth what it sold for in 1865, \$1.34 an ounce, it would pay someone to erect a huge refining plant in Missouri and extract all of the silver the Missouri lead and zinc ores contain. The price may never be reached again. From 1865 to 1885 the price of silver slowly declined, it averaging \$1.07 an ounce in the latter year. In 1886 silver plunged to 99 cents an ounce and in 1889 it was down to 94 cents. The year 1890 saw a sudden rise, silver going up to \$1.05 an ounce in New York but the next year, 1891, it was down again to 99 cents and from then on it kept decreasing in value until 1910 when it reached the low worth of 52 cents an ounce. Since then it has slightly increased in value, in 1912 reaching the price of 61.5 cents but the year 1914 found it back to 55.3 cents an ounce.

The outbreak of the European war had no effect on the 1914 value of silver as far as increasing its worth. In January, 1914 silver was worth, in New York, 58.2 cents an ounce and in July when the war broke out 55.2 cents. September of that year saw it down to 53.1 cents an ounce and in December it went as low as 50.1 cents. These quotations reveal that the war, if it had anything at all to do with the value of silver decreased it, and this was with all the turmoil in Mexico, one of the chief silver producing countries of the world, which prevented the extensive working of the

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Any good company will issue you a better policy as a student than it would as a Mining Engineer, owing to the difference in the hazard, and as all our policies are incontestable from date of issue, you should get your policies before leaving school.

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Your friend,

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Trenk's Place.

Senior Notes.

Carl Stifel is in Joplin on flotation work.

Fred Grotts returned to Rolla from St. Louis by way of Fort Scott, Kansas. Due to the wash out of the Frisco tracks at Mosselle he could not return directly by that route, but has left again for his home.

McNely has completed his work for graduation, and has left school to undertake a position with the Illinois Steel Co., of Chicago, Ill.

W. H. McCartney made a trip to St. Louis, but was lucky enough to get back Sunday evening.

Lumaghi is marooned in St. Louis.

Junior Column.

During the past week we were informed of the fact (?) that carbon dioxide, CO₂, could be used as a fuel. This, indeed, was a great consolation, for we feared that there would soon be coal famine if traffic was not resumed.

S. Lesnick brought back word from Butte, Mont., that Freudenburg has a good position in the mills, and that he is enjoying the best of health.

Teddy Gerber attended an informal house party during the past week. During the course of the evening the furnace needed attention, and Teddy was selected to do the job. That much is clear, but why did it take him two hours for him and a guide to make the coal give forth its B. T. Us.

Norton Ritter is leaving for Joplin, Mo., where he will undertake some experimental work in cyaniding.

P. B. Shotwell is working full time in the assaying lab, preparatory to his leaving for the Joplin mining fields.

Send the MINER home. The folks will be glad to get it.

Five high scores in Ten Pins were:

Parker,	179
Ude	177
Tucker	176
Thornberry	165
Faulkner	166
Tucker won. Score 160.	

The five high men in Five Back last week were:

Risher	66
Simpson	57
Merrell,	56
Moore	56
Shaw	55
Shaw won. Score 34.	

Similar contests this week.

Johnson Bros.

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to the

Baltimore Hotel,

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When you tell us to clean, press or repair your clothes paying, particular attention to certain things we follow your instructions.

THAT'S SERVICE.

May we have the opportunity of convincing you that our general line of work is superior.

Colley, the Tailor

BOYS,

Don't forget the Best Candies,
and where to buy them.

**SMAIL'S
SMOKE
SHOP.**

Radium, Uranium, and Vanadium in 1915.

Radium, uranium, and vanadium are closely connected in occurrence in the principal fields, Colorado and Utah, but in 1915, although the European war caused a great slump in the production of ores of radium and uranium, it caused a considerable increase in the production of ores of vanadium.

According to reports for 1915 received by the United States Geological Survey and compiled by Frank L. Hess the output was 23.4 tons of uranium oxide and 6 grams of radium contained in the carnotite ores produced, and 635 tons of vanadium contained in the carnotite ores shipped and in the chemical concentrates from the roscoelite ores. In 1914 the ores produced contained 87.2 tons uranium oxide, 22.3 grams radium, and 435 tons vanadium.

The United States has much the largest known radium-bearing deposits of the world, but the market for radium is mostly in Europe, for, though Americans like to feel that they are sufficiently progressive to take hold of and use to the full new discoveries, inventions, and processes, yet the European municipalities and hospitals have been buying and utilizing most of the radium produced. When the war began, therefore, causing European money to flow into other channels the demand for radium fell off so greatly that there was practically no market for radium or uranium ores in the early part of 1915, and very little market during any part of the year. Mining of carnotite ores, except by the National Radium Institute (Inc.) under the supervision of and in cooperation with the Bureau of Mines, except for such work as was necessary for assessment work to hold claims, was nearly stopped.

The institute mined nearly the 1,000 tons of ore contracted for from the Crucible Steel Mining

& Milling Co.'s claims in Long Park, Montrose County, Colo., and obtained 70 tons of concentrates, carrying about 3 per cent of uranium oxide, by concentrating material carrying 0.7 per cent, which had been thrown on the dumps. The Institute fully accomplished its purpose to work out a practical process of producing radium at a cost much below the market price of the element and crystalized out radium salts containing 6 grams of the element. It delivered during the year 3,006 grams of radium (element) at a cost of \$37,599 per gram. Near the close of the year 1.1 grams of radium (element) was contracted for by a private company for \$162,000, or \$120,000 a gram. This comparison shows the great success of the work of the Bureau of Mines. Its ore concentration method seems to have also been highly successful. After mining its quota of ore from the Crucible Steel Mining & Milling Co.'s property, the institute came into the market as a purchaser of ore.

In the later half of the year Dr. W. A. Schlesinger and associates established a radium reduction plant in Denver. They acquired an interest in the Copper Prince claims, from which ore was mined, and brought a further quantity. Ore carrying about 5,000 pounds of uranium oxide, containing about 640 milligrams of radium was tested during the year.

The Carnotite Reduction Co., made up of Dr. H. N. McCoy of the University of Chicago and associates, purchased from Galloway and Belisle a quantity of ore which had been stored in Placerville, Colo., and the radium will be extracted in Chicago. The company will mine ore from claims it has bought.

The Standard Chemical Co. did no work on its claims except that required by law, but in this work produced and shipped a quantity of ore from its properties in Colorado and Utah, and purchased, it is stated, a con-

siderable number of claims. It was reported in December that the company had produced a total of 14 grams of radium (elemental) and that its ore had averaged 1.7 per cent uranium oxide. Probably between 4 and 5 grams of this quantity was produced during 1915.

The production of radium salts in this country during the year was probably nearly 11 grams.

Only a small quantity of ore is thought to have been shipped to Europe during the year. J. S. McArthur & Co. shipped one lot of ore from its claims near Greenriver, Utah, to Glasgow, Scotland.

How Raible Returned to Rolla.

After catching the first Rock Island train out of St. Louis at 9:25 P. M. in company with fifty linemen who were sent to repair the wires along the road, we arrived at Union three and one-half hours later. We then sought the hotel, but found it completely filled. After strenuous efforts the landlord finally secured for us a room in a nearby residence. We were called at 6:30 the next morning and went to the hotel for breakfast. About 8:30 we left in a car in company with six drummers for St. Clair. Within two miles of St. Clair the roads became impassible and we had to walk. We arrived in St. Clair just in time to catch the train for dear old Rolla.

Engineer Corps U. S. Army.

The School of Mines has received a circular letter stating how graduates of technical schools may be appointed to the Corps of Engineers, U. S. Army. There will be an examination on August 21-25, 1916, for appointment as Second Lieutenant in the Corps of Engineers.

Any one interested can see the circular on the bulletin board in Parker Hall.

Send the MINER home. The folks will be glad to get it.